

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016**

**Tehama County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	10/24/2016 10/24/2016	Tariq Chechi

LM Start		Rating **	A	Issue No.	<b>12</b>
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_NA0019_01_s _ 2013_12				
Comment Code					
Inspector Comment					
The LMA has O&M manuals.					

No Photos

LM Start		Rating **	A	Issue No.	<b>13</b>
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_NA0019_01_s _ 2013_13				
Comment Code					
Inspector Comment					
The LMA has adequate flood fight supplies and equipment.					

No Photos

**\* Location**  
 LS : Land Side    N/A : Not Applicable  
 WS : Water Side  
 CR : Crown

**\*\* Rating**  
 A : Acceptable                      N : Not Inspected/Rated  
 M : Minimally Acceptable        C : Corrected  
 U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
 Ma : Maintenance Deficiency  
 Ob : Design & System Obsolescence  
 En : Enforcement

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Unit No. 01 Deer Creek	Left	4.22	10/24/2016 10/24/2016	Tariq Chechi

LM Start		Rating **	A	Issue No.	14	
LM End		Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Flood Preparedness & Training				°	
					°	
DWR ID	DWR_NA0019_01_s_2013_14					
Comment Code						
Inspector Comment						
The LMA completed flood fight training in 2015.						

No Photos

LM Start	0.01	Rating **	M	Issue No.	17
LM End	0.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.973111 °	39.973111 °
				-121.980466 °	-121.980466 °
DWR ID	DWR_NA0019_01_s_2013_17				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0019\_78\_17\_20160823\_00004.jpg



View of the erosion along the landside slope.

LM Start	0.41	Rating **	M	Issue No.	18
LM End	0.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.972560 °	39.972560 °
				-121.987759 °	-121.987759 °
DWR ID	DWR_NA0019_01_s_2013_18				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0019\_78\_18\_20160823\_00005.jpg



View of the erosion along the landside slope.

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	10/24/2016 10/24/2016	Tariq Chechi

LM Start	0.45	Rating **	M	Issue No.	276
LM End	0.45	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.972377 °	39.972377 °
				-121.988559 °	-121.988559 °
DWR ID	DWR_NA0019_01_s_2014_276				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0019\_78\_276\_20160823\_00014.jpg



View of the erosion along the waterside slope.

LM Start	0.46	Rating **	M	Issue No.	19
LM End	0.46	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.972339 °	39.972339 °
				-121.988763 °	-121.988763 °
DWR ID	DWR_NA0019_01_s_2013_19				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0019\_78\_19\_20160823\_00006.jpg



View of the erosion along the landside slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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# Tehama County Flood Control and Water Conservation District

View of the erosion caused by livestock on both slope of the levee.

No Photos

View of the erosion along the waterside toe.

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	10/24/2016 10/24/2016	Tariq Chechi

LM Start	2.81	Rating **	C	Issue No.	40
LM End	2.81	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.964510 °	39.964510 °
				-122.029440 °	-122.029440 °
DWR ID	DWR_NA0019_01_s_2016_40				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Wild grapes impeding vehicle traffic. Recommend removal of vegetation.					

No Photos

LM Start	2.86	Rating **	M	Issue No.	38
LM End	2.86	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.963928 °	39.963928 °
				-122.030120 °	-122.030120 °
DWR ID	DWR_NA0019_01_f_2014_38				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0019\_78\_38\_20160823\_00010.jpg



View of erosion from the cattle on both slopes.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	10/24/2016 10/24/2016	Tariq Chechi

LM Start	2.88	Rating **	M	Issue No.	20
LM End	2.88	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.963709 °	39.963709 °
				-122.030384 °	-122.030384 °
DWR ID	DWR_NA0019_01_s _ 2013_20				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0019\_78\_20\_20160823\_00007.jpg



View of the erosion along the landside slope.

LM Start	2.96	Rating **	M	Issue No.	1
LM End	2.98	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			39.962910 °	39.962724 °
				-122.031421 °	-122.031670 °
DWR ID	DWR_NA0019_01_s _ 2016_1				
Comment Code					
Inspector Comment					
2006 - Erosion along outer bank of a meandering bend that is getting close to the projection of the levee toe. Trees are leaning out into the channel and ready to fall. Whole bank in reach is actively eroding.					
2011 - New erosion pocket caused by an eddy. The Deer Creek Watershed Conservation Group is planning a reach-wide repair for Deer Creek. 2015: Site is part of the extended inventory, last inspected 2011.					
[2015 Site ID: DEC_2-4_L]					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	10/24/2016 10/24/2016	Tariq Chechi

LM Start	3.75	Rating **	M	Issue No.	16
LM End	3.75	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.944407 °	39.944407 °
				-122.054104 °	-122.054104 °
DWR ID	DWR_NA0019_01_f_2016_16				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0019\_78\_16\_20161107\_00058.jpg



View of a bush obstructing visibility.

LM Start	3.80	Rating **	M	Issue No.	5
LM End	3.80	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.944135°	39.944135°
				-122.054788°	-122.054788°
DWR ID	DWR_NA0019_01_s_2012_5				
Comment Code					
PR : Prunings					
Inspector Comment					
4/26/16, changed from LS to WS.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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## Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

### Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Deer Creek	Right	1.89	10/24/2016 10/24/2016	Tariq Chechi

LM Start	0.23	Rating **	M	Issue No.	13
LM End	0.23	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.970598°	39.970598°
				-122.013053°	-122.013053°
DWR ID	DWR_NA0019_02_f_2016_13				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0019\_79\_13\_20161107\_00013.jpg



View of a tree with new thick growth blocking visibility.

LM Start	0.30	Rating **	M	Issue No.	2
LM End	0.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.970305 °	39.970305 °
				-122.014465 °	-122.014465 °
DWR ID	DWR_NA0019_02_s_2012_2				
Comment Code					
DE : Debris					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0019\_79\_2\_20160823\_00001.jpg



View of debris and wire at the toe of levee.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Deer Creek	Right	1.89	10/24/2016 10/24/2016	Tariq Chechi

LM Start	0.34	Rating **	M	Issue No.	4
LM End	0.34	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.970210°	39.970210°
				-122.015198°	-122.015198°
DWR ID	DWR_NA0019_02_s_2012_4				
Comment Code					
DE : Debris					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0019\_79\_4\_20160823\_00003.jpg



View of the concrete pile along the waterside toe.

LM Start	0.85	Rating **	M	Issue No.	1
LM End	0.90	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			39.968165°	39.967766°
				-122.023828°	-122.024620°
DWR ID	DWR_NA0019_02_s_2016_1				
Comment Code					
Inspector Comment					
2006 - Banks are composed of lithified cobble alluvial soils (relict alluvial fan deposits). Slow erosion of lithified lower bank materials with faster erosion of overlying less cohesive soils resulting in channel "skating" across lithified horizon. 2011 - The Deer Creek Watershed Conservation Group is planning a reach-wide repair for Deer Creek. 2015: Site is part of the extended inventory, last inspected 2011. [2015 Site ID: DEC 0-9 R]					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Deer Creek	Right	1.89	10/24/2016 10/24/2016	Tariq Chechi

LM Start	1.28	Rating **	M	Issue No.	6
LM End	1.28	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.964883 °	39.964883 °
				-122.030655 °	-122.030655 °
DWR ID	DWR_NA0019_02_s_2012_6				
Comment Code					
FW : Firewood					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0019\_79\_6\_20160823\_00004.jpg



View of the firewood along the waterside slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/24/2016 10/24/2016	Tariq Chechi

LM Start	0.73	Rating **	M	Issue No.	13
LM End	0.73	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			40.052003°	40.052003°
				-122.175687°	-122.175687°
DWR ID	DWR_NA0019_04_f_2016_13				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0019\_81\_13\_20161107\_00026.jpg



View of a tree with overhanging branches.

LM Start	0.96	Rating **	M	Issue No.	26
LM End	1.07	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			40.053431 °	40.052410 °
				-122.171961 °	-122.170275 °
DWR ID	DWR_NA0019_04_f_2016_26				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0019\_81\_26\_20161107\_00027.jpg



View of the annual vegetation along the waterside crown and slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable  N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/24/2016 10/24/2016	Tariq Chechi

LM Start	1.12	Rating **	M	Issue No.	27
LM End	1.12	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			40.051950°	40.051950°
				-122.169872°	-122.169872°
DWR ID	DWR_NA0019_04_f_2016_27				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0019\_81\_27\_20161107\_00028.jpg



View of the slope instability caused by vehicles.

LM Start	1.39	Rating **	M	Issue No.	16	
LM End	1.39	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Slope Stability			40.051493 °		40.051493 °
				-122.164935 °		-122.164935 °
DWR ID	DWR_NA0019_04_f_2014_16					
Comment Code						
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.						
Inspector Comment						

Photo 1 of 1 : FA\_2016\_NA0019\_81\_16\_20160823\_00010.jpg



View of the slope instability caused by vehicles along the waterside slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 04 Elder Creek	Left	3.98	10/24/2016 10/24/2016	Tariq Chechi

LM Start	1.39	Rating **	M	Issue No.	28
LM End	1.39	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			40.051521 °	40.051521 °
				-122.164877 °	-122.164877 °
DWR ID	DWR_NA0019_04_f_2016_28				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	1.43	Rating **	M	Issue No.	5
LM End	1.49	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			40.051596 °	40.051979 °
				-122.164179 °	-122.163106 °
DWR ID	DWR_NA0019_04_s_2016_5				
Comment Code					
Inspector Comment					
2006 - High vertical bank due to mass failures. Thalweg meandering and erosion of bank. Banks are cohesive with non-cohesive gravel horizons. 2011 - Foundation is silty-sand with gravel. New slumping at the toe, mass failure continues. 2015: Site is part of the extended inventory, last inspected 2011. [2015 Site ID: ELC_1-4_L]					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable  N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/24/2016 10/24/2016	Tariq Chechi

LM Start	1.44	Rating **	M	Issue No.	29
LM End	1.44	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			40.051785 °	40.051785 °
				-122.164075 °	-122.164075 °
DWR ID	DWR_NA0019_04_f_2016_29				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0019\_81\_29\_20161107\_00029.jpg



View of the slope instability caused by vehicles along the waterside slope.

LM Start	1.59	Rating **	M	Issue No.	3
LM End	1.59	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			40.052607°	40.052705°
				-122.161418°	-122.161442°
DWR ID	DWR__04_s_2012_3				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Tehama Co. repaired the slope that was damaged by vehicle traffic, but the damage has returned. On 4/26/16, vehicle erosion area was repaired again, but should be monitored.					

Photo 1 of 2 : FA\_2016\_NA0019\_81\_3\_20160823\_00003.jpg



View of the levee slope damaged by vehicle traffic.

LM Start	<b>1.59</b>	Rating **	M	Issue No.	<b>3 (cont)</b>
LM End	<b>1.59</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA\_2016\_NA0019\_81\_3\_20161107\_00030.jpg



View of a dip along the levee slope.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/24/2016 10/24/2016	Tariq Chechi

LM Start	2.30	Rating **	C	Issue No.	18
LM End	2.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			40.052415 °	40.052415 °
				-122.149208 °	-122.149208 °
DWR ID	DWR_NA0019_04_s_2012_18				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

No Photos

LM Start	2.32	Rating **	M	Issue No.	12
LM End	2.32	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			40.052443 °	40.052443 °
				-122.148863 °	-122.148863 °
DWR ID	DWR_NA0019_04_f_2013_12				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0019\_81\_12\_20160823\_00006.jpg



View of the slope instability caused by vehicles along the landside slope.

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement





# Tehama County Flood Control and Water Conservation District



**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016**

**Tehama County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/24/2016 10/24/2016	Tariq Chechi

LM Start	3.02	Rating **	M	Issue No.	33
LM End	3.02	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			40.056388 °	40.056388 °
				-122.139003 °	-122.139003 °
DWR ID	DWR_NA0019_04_f _ 2016_33				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	3.04	Rating **	M	Issue No.	34
LM End	3.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			40.056353 °	40.056353 °
				-122.138656 °	-122.138656 °
DWR ID	DWR_NA0019_04_f_2016_34				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

### Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/24/2016 10/24/2016	Tariq Chechi

LM Start	3.09	Rating **	N	Issue No.	36
LM End	3.09	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			40.056825 °	40.056825 °
				-122.138088 °	-122.138088 °
DWR ID	DWR_NA0019_04_f _ 2016_36				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					
5 tree stumps					

No Photos

LM Start	3.11	Rating **	M	Issue No.	1
LM End	3.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			40.057083 °	40.057291 °
				-122.137935 °	-122.137743 °
DWR ID	DWR_NA0019_04_s_2012_1				
Comment Code					
ST : Stairway					
Inspector Comment					
Remove concnere blocks, concrete pipes, and concrete stairs from the landside slope.					

Photo 1 of 1 : FA\_2016\_NA0019\_81\_1\_20160823\_00001.jpg



View of the concrete stairways on the slope.

LM Start	3.13	Rating **	M	Issue No.	25
LM End	3.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			40.057350 °	40.057350 °
				-122.137667 °	-122.137667 °
DWR ID	DWR_NA0019_04_f_2015_25				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0019\_81\_25\_20160823\_00019.jpg



View of the slope instability caused by vehicles along the landside slope.

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016**

**Tehama County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/24/2016 10/24/2016	Tariq Chechi

LM Start	3.29	Rating **	M	Issue No.	37
LM End	3.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			40.057685 °	40.057685 °
				-122.134770 °	-122.134770 °
DWR ID	DWR_NA0019_04_f_2016_37				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	3.31	Rating **	M	Issue No.	38
LM End	3.31	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			40.057590 °	40.057590 °
				-122.134508 °	-122.134508 °
DWR ID	DWR_NA0019_04_f_2016_38				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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# Tehama County Flood Control and Water Conservation District

View of the blackberries along the landside slope blocking visibility and access.

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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

### Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/24/2016 10/24/2016	Tariq Chechi

LM Start	3.49	Rating **	M	Issue No.	40
LM End	3.55	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			40.055505°	40.055388°
				-122.132694°	-122.131489°
DWR ID	DWR_NA0019_04_f_2016_40				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0019\_81\_40\_20161107\_00038.jpg



View of the annual grass along the landside slope.

LM Start	3.69	Rating **	M	Issue No.	7
LM End	3.72	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			40.055920 °	40.055945 °
				-122.128948 °	-122.128310 °
DWR ID	DWR_NA0019_04_s_2012_7				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	3.78	Rating **	C	Issue No.	23
LM End	3.89	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			40.055207 °	40.054225 °
				-122.127735 °	-122.126085 °
DWR ID	DWR_NA0019_04_s_2015_23				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

No Photos

\* Location  
LS : Land Side N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable N : Not Inspected/Rated  
M : Minimally Acceptable C : Corrected  
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
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En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016**

**Tehama County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/24/2016 10/24/2016	Tariq Chechi

LM Start	3.78	Rating **	C	Issue No.	22
LM End	3.93	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			40.055162°	40.053915°
				-122.127713°	-122.125412°
DWR ID	DWR_NA0019_04_s _ 2015_22				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

No Photos

LM Start	3.79	Rating **	C	Issue No.	24
LM End	3.93	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			40.055060 °	40.053917 °
				-122.127602 °	-122.125412 °
DWR ID	DWR_NA0019_04_s _ 2015_24				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Repair the erosion on the crown roadway. Overtopped in 2014. DWR FSRP repair contract in place per LMA on 4/26/2016.					

No Photos

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016**

**Tehama County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elder Creek	Right	3.87	10/24/2016 10/24/2016	Tariq Chechi

LM Start	0.94	Rating **	A/W	Issue No.	8
LM End	1.05	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			40.051360 °	40.052361 °
				-122.175063 °	-122.173450 °
DWR ID	DWR_NA0019_05_f_2015_8				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Grout the rodent the holes. Rodents appeared in holes in center of crown and on LS slope on 4/26/16.					

Photo 1 of 1 : FA\_2016\_NA0019\_82\_8\_20160823\_00003.jpg



View of the rodent holes along the landside slope.

LM Start	1.51	Rating **	C	Issue No.	13
LM End	1.51	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			40.050653 °	40.050653 °
				-122.165495 °	-122.165495 °
DWR ID	DWR_NA0019_05_f_2015_13				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Repair the vehicle erosion long the landside slope. On 4/26/16 no damage was observed on levee. Should be monitored.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016**

**Tehama County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elder Creek	Right	3.87	10/24/2016 10/24/2016	Tariq Chechi

LM Start	2.48	Rating **	M	Issue No.	15
LM End	2.62	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			40.051706 °	40.051676 °
				-122.148758 °	-122.146247 °
DWR ID	DWR_NA0019_05_f _ 2016_15				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0019\_82\_15\_20161107\_00017.jpg



View of the annual grass along the waterside slope.

LM Start	3.01	Rating **	M	Issue No.	1
LM End	3.03	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			40.054730 °	40.054970 °
				-122.140578 °	-122.140238 °
DWR ID	DWR_NA0019_05_s_2016_1				
Comment Code					
Inspector Comment					
2006 - Mass failure of this bank due to being along the outside of a bend where erosion and undercutting are the greatest. Low flow is being forced into the toe of this bank by point bar on the opposite side of the creek. 2011 - Toe of the bank continues to be undercut. 2015: Site is part of the extended inventory, last inspected 2011. [2015 Site ID: ELC_3-0_R]					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

### Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elder Creek	Right	3.87	10/24/2016 10/24/2016	Tariq Chechi

LM Start	<b>3.12</b>	Rating **	M	Issue No.	<b>11</b>
LM End	<b>3.12</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		40.055632°	40.055607°	
			-122.138910°	-122.138868°	
DWR ID	DWR_NA0019_05_s_2012_11				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	<b>3.12</b>	Rating **	M	Issue No.	<b>17</b>
LM End	<b>3.12</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		40.055500°	40.055500°	
			-122.138841°	-122.138841°	
DWR ID	DWR_NA0019_05_f_2016_17				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

No Photos

LM Start	<b>3.30</b>	Rating **	M	Issue No.	<b>9</b>
LM End	<b>3.76</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		40.056831°	40.054862°	
			-122.136365°	-122.129279°	
DWR ID	DWR_NA0019_05_s_2012_9				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

**\* Location**  
 LS : Land Side    N/A : Not Applicable  
 WS : Water Side  
 CR : Crown

**\*\* Rating**  
 A : Acceptable                      N : Not Inspected/Rated  
 M : Minimally Acceptable        C : Corrected  
 U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
 Ma : Maintenance Deficiency  
 Ob : Design & System Obsolescence  
 En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016**

**Tehama County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elder Creek	Right	3.87	10/24/2016 10/24/2016	Tariq Chechi

LM Start	3.35	Rating **	U	Issue No.	10
LM End	3.35	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			40.056875 °	40.056875 °
				-122.135349 °	-122.135349 °
DWR ID	DWR_NA0019_05_s_2016_10				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Erosion rut running down LS slope from crown to toe					

Photo 1 of 1 : FA\_2016\_NA0019\_82\_10\_20160823\_00004.jpg



View of the erosion along the landside slope.

LM Start	3.38	Rating **	U	Issue No.	7
LM End	3.38	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			40.056727 °	40.056727 °
				-122.134888 °	-122.134888 °
DWR ID	DWR_NA0019_05_s_2016_7				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0019\_82\_7\_20160823\_00002.jpg



View of the erosion along the landside slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016**

**Tehama County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elder Creek	Right	3.87	10/24/2016 10/24/2016	Tariq Chechi

LM Start	3.69	Rating **	M	Issue No.	19
LM End	3.69	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			40.054604 °	40.054604 °
				-122.130490 °	-122.130490 °
DWR ID	DWR_NA0019_05_f_2016_19				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0019\_82\_19\_20161107\_00018.jpg



View of the erosion along the landside slope.

LM Start	3.76	Rating **	U	Issue No.	18
LM End	3.76	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			40.054829 °	40.054829 °
				-122.129329 °	-122.129329 °
DWR ID	DWR_NA0019_05_f_2016_18				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0019\_82\_18\_20161107\_00019.jpg



View of the erosion along the landside slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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